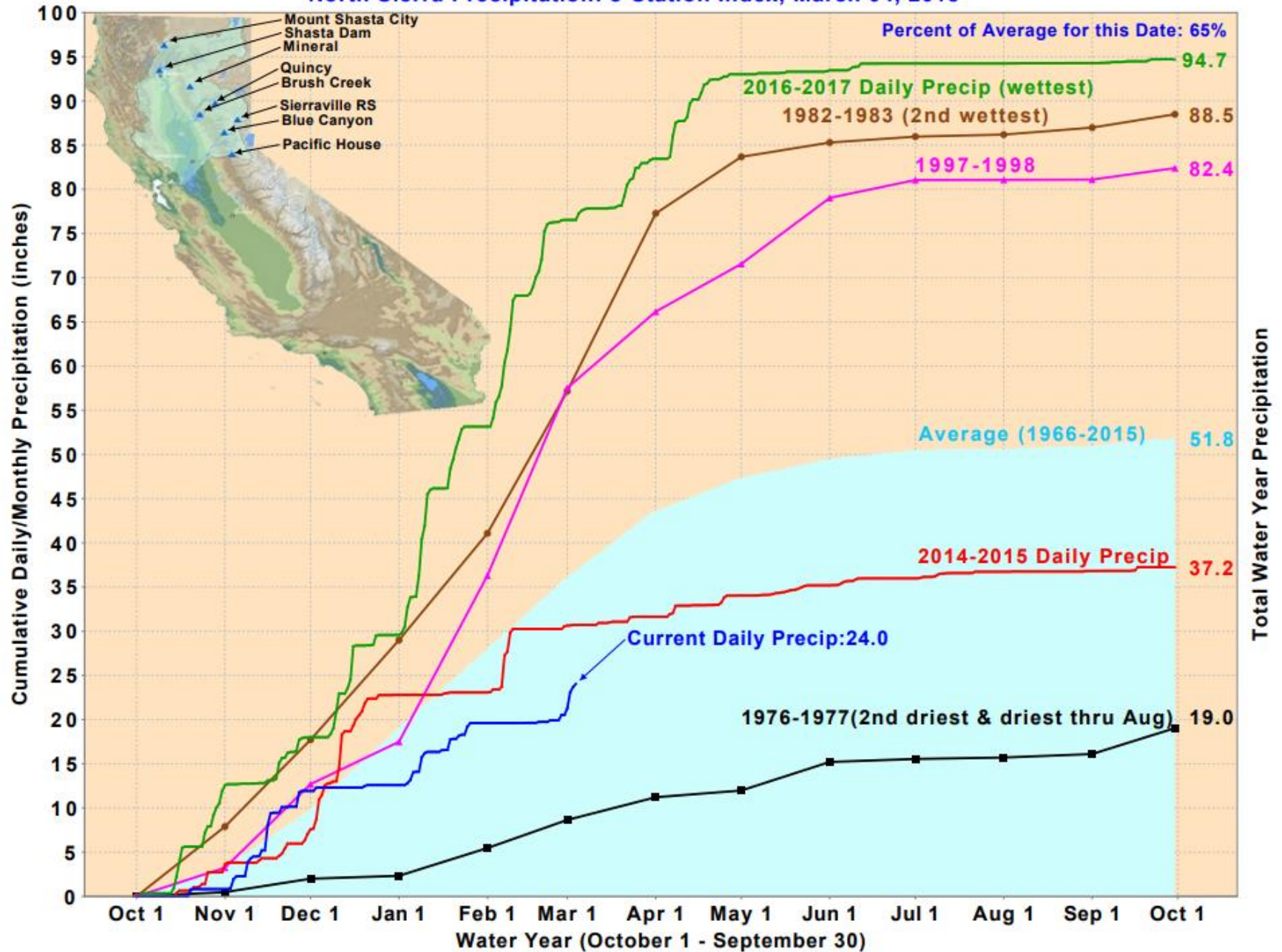


# **HYDROLOGY UPDATE FOR THE BAY-DELTA WATERSHED**

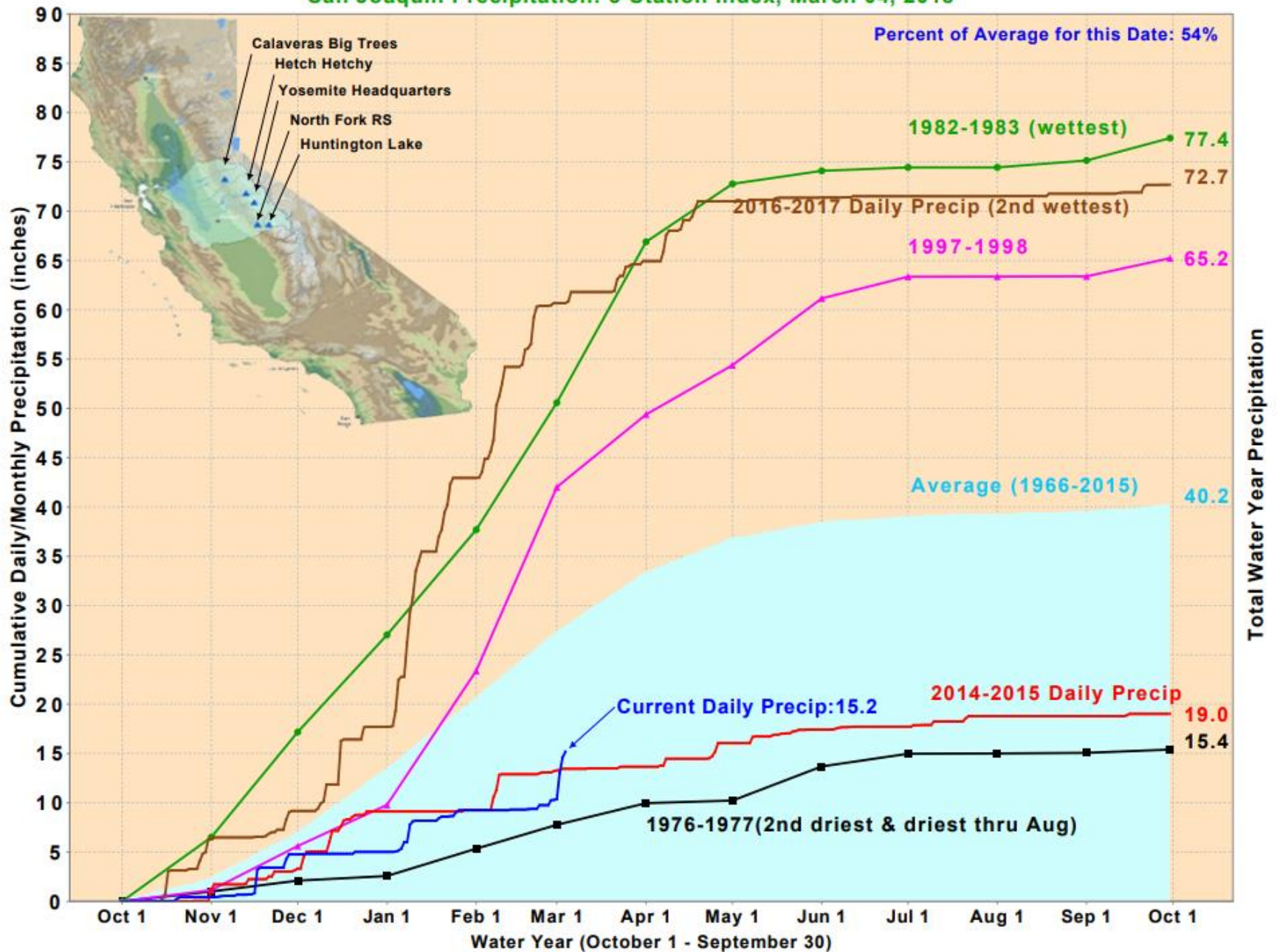


**MARCH 6, 2018 – ITEM #3**

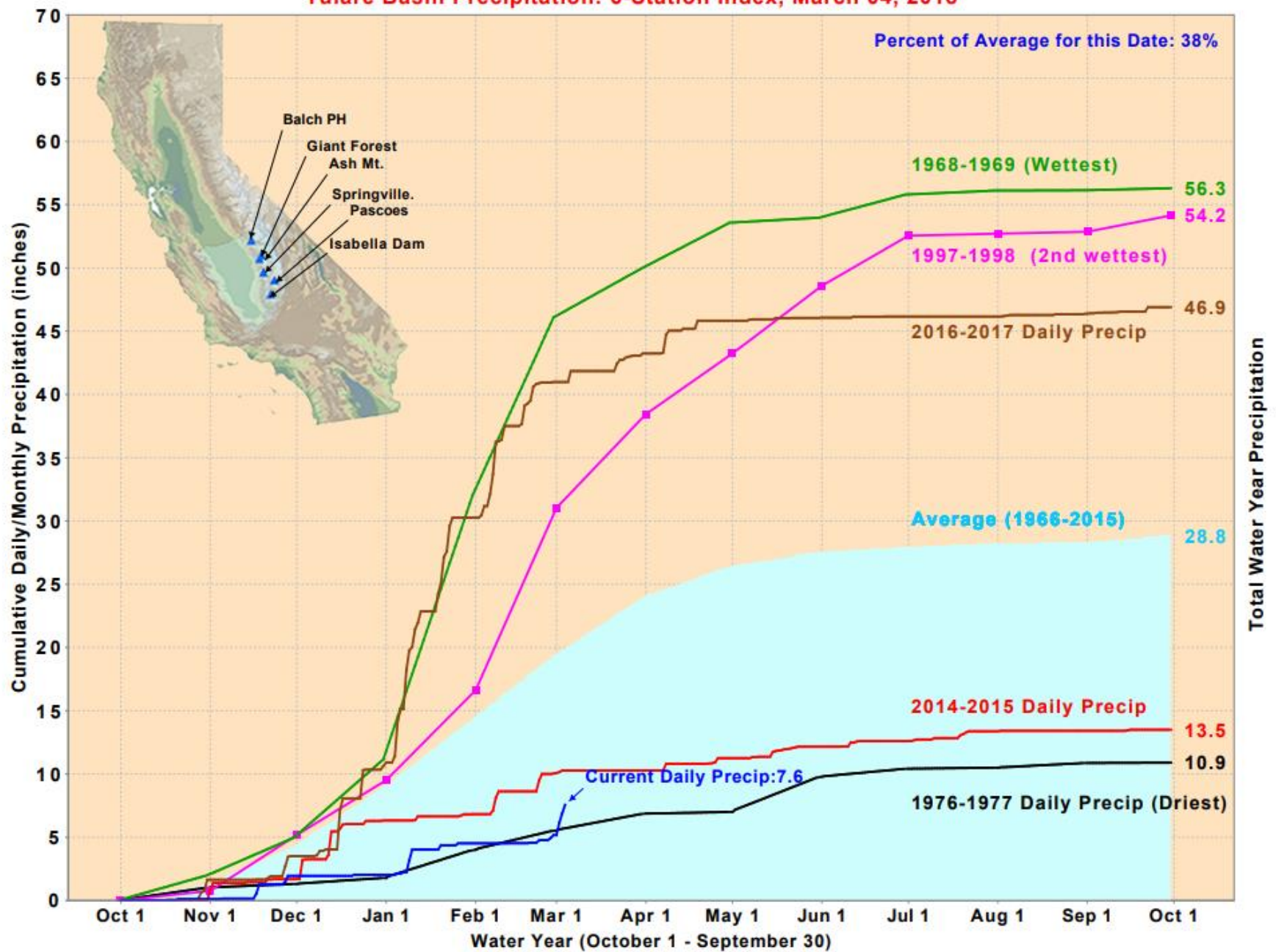
# North Sierra Precipitation: 8-Station Index, March 04, 2018



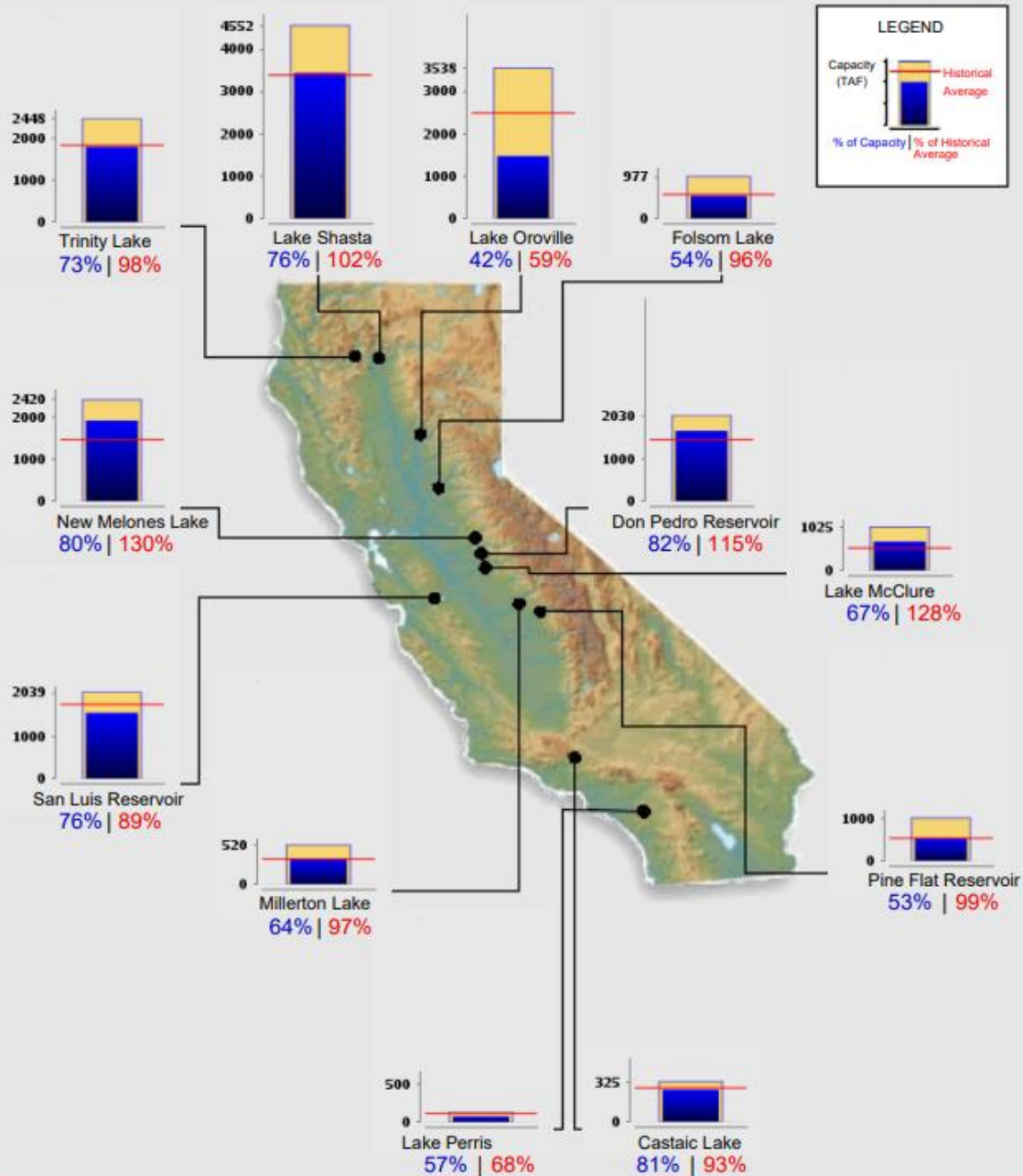
# San Joaquin Precipitation: 5-Station Index, March 04, 2018



# Tulare Basin Precipitation: 6-Station Index, March 04, 2018



# CURRENT RESERVOIR CONDITIONS



Graph Updated 03/05/2018 07:15 AM

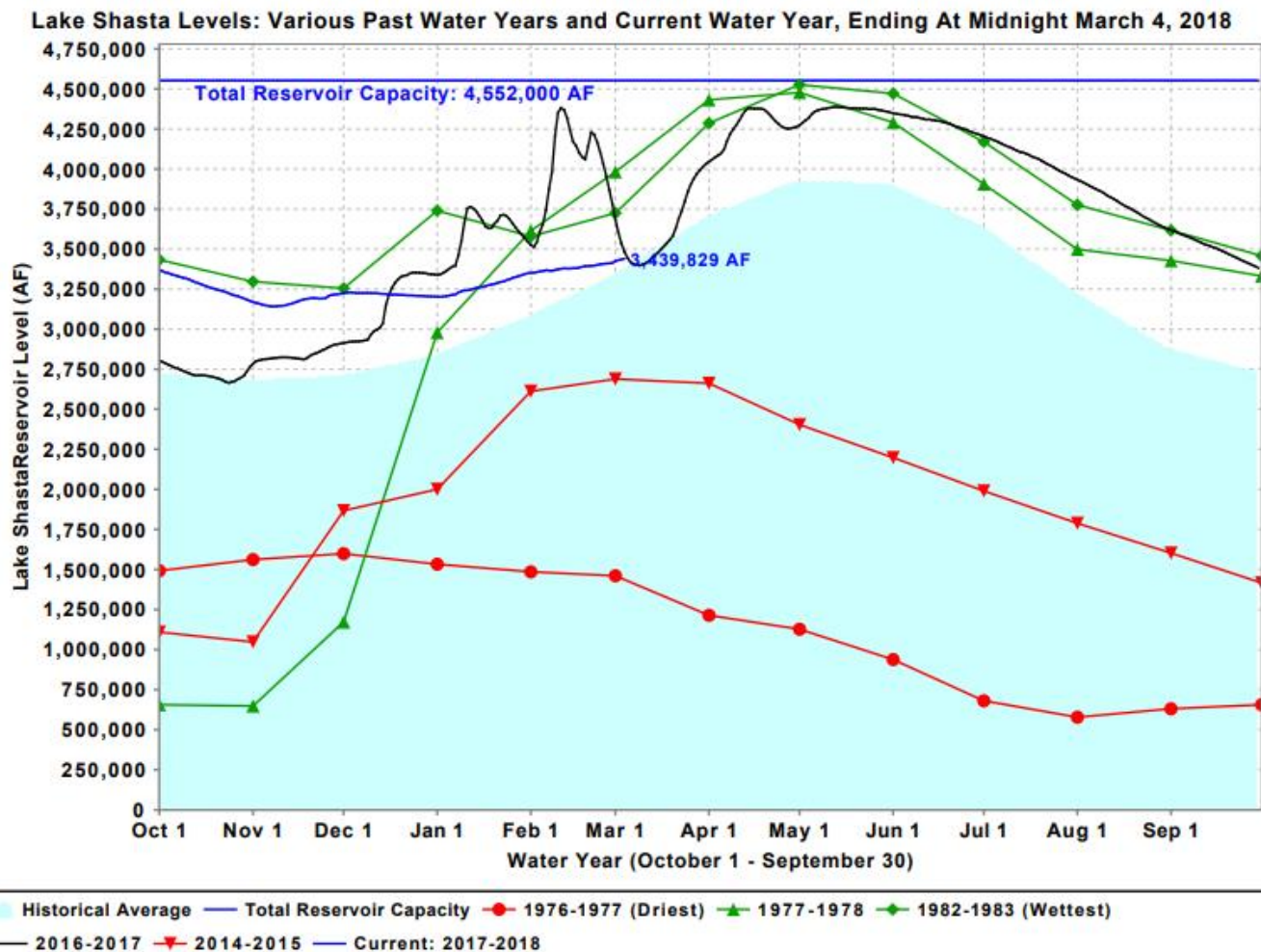
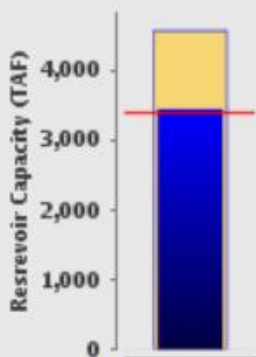


# Reservoir Conditions - Lake Shasta



## Lake Shasta Conditions

(as of Midnight - March 4, 2018)



Data Updated 03/05/2018 07:15 AM

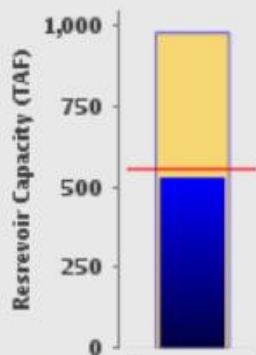


# Reservoir Conditions - Folsom Lake



## Folsom Lake Conditions

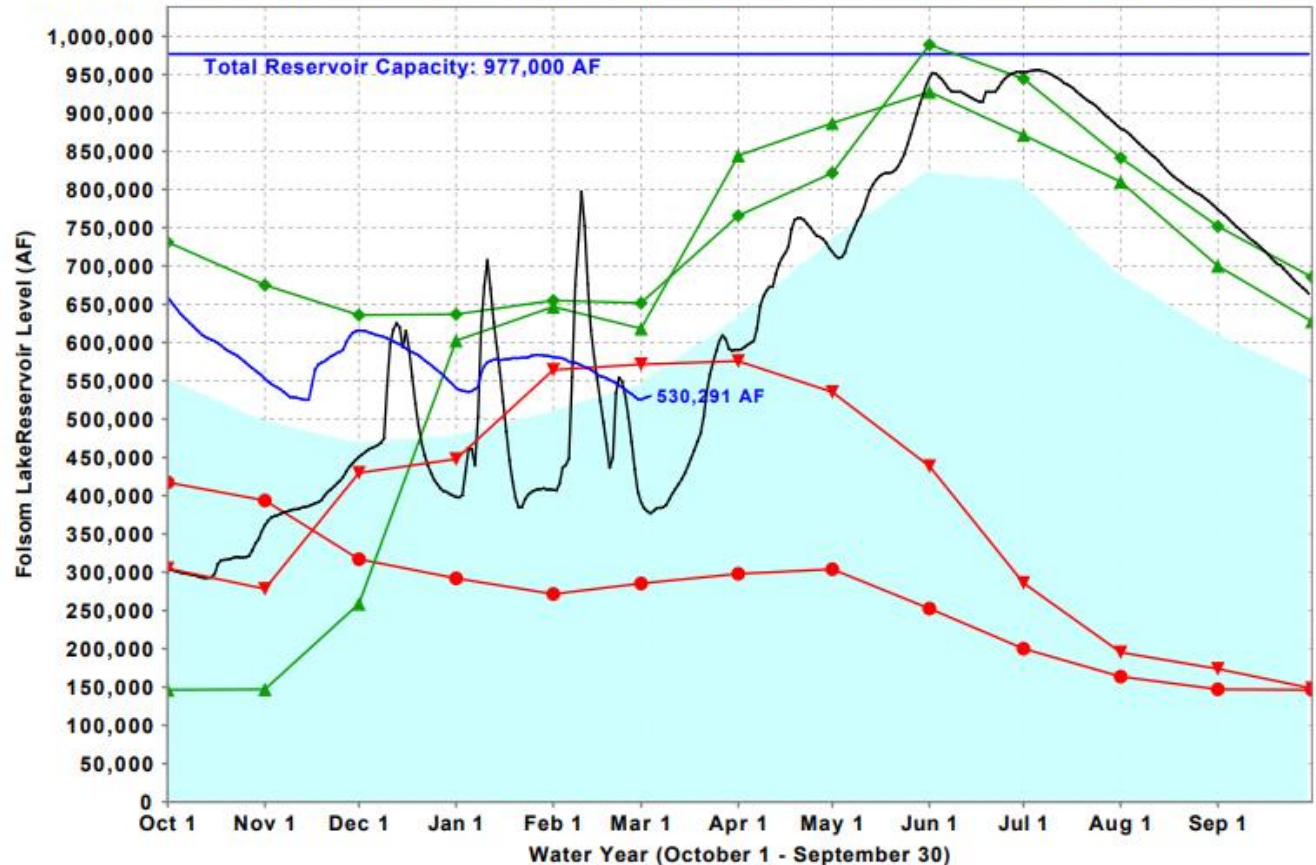
(as of Midnight - March 4, 2018)



Current Level: 530,291 AF

54% (Total Capacity) | 96% (Historical Avg.)

Folsom Lake Levels: Various Past Water Years and Current Water Year, Ending At Midnight March 4, 2018



Historical Average — Total Reservoir Capacity — 1976-1977 (Driest) — 1977-1978 — 1982-1983 (Wettest)  
— 2016-2017 — 2014-2015 — Current: 2017-2018

Data Updated 03/05/2018 07:15 AM

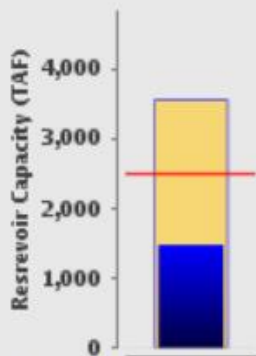


# Reservoir Conditions - Lake Oroville



## Lake Oroville Conditions

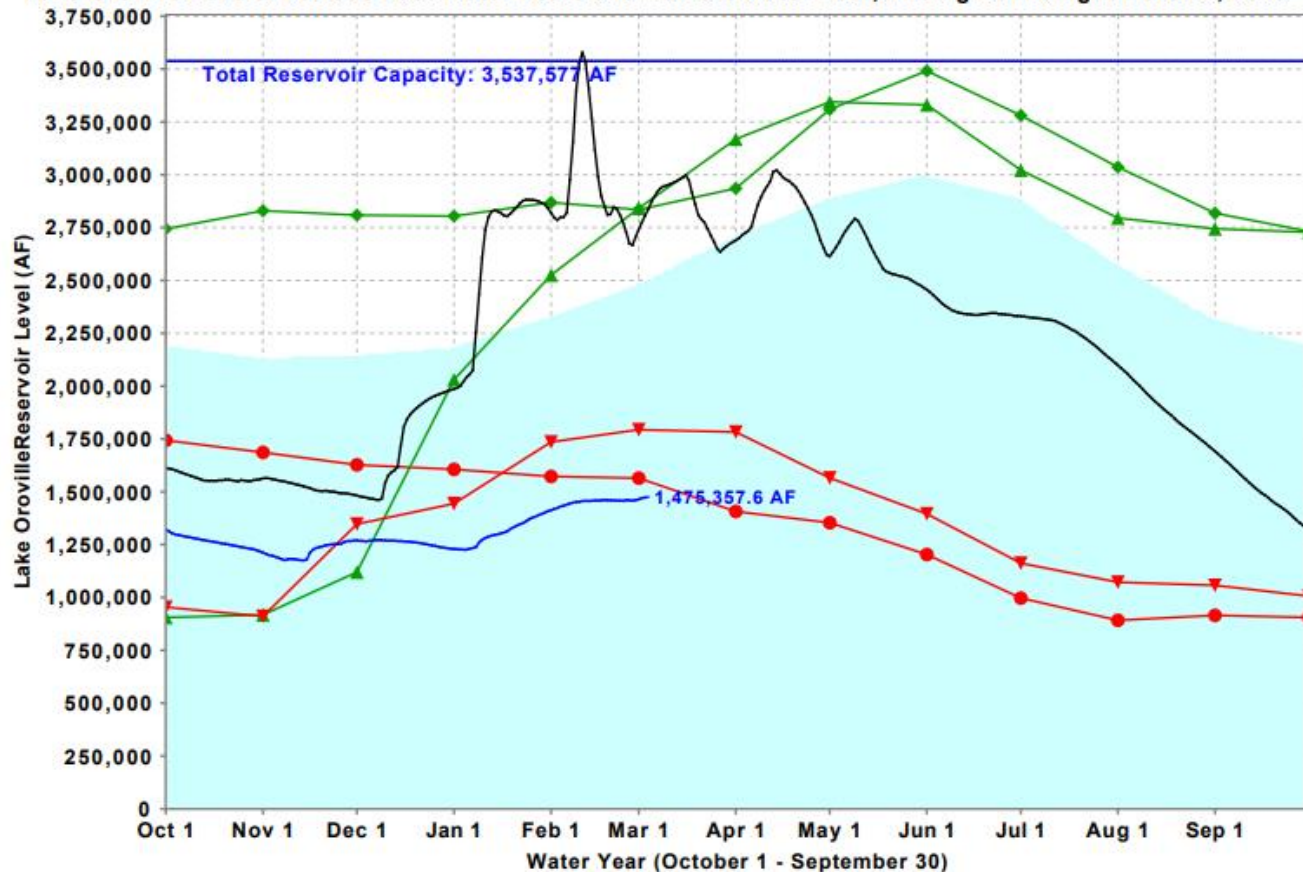
(as of Midnight - March 4, 2018)



Current Level: 1,475,357.6 AF

42% (Total Capacity) | 59% (Historical Avg.)

Lake Oroville Levels: Various Past Water Years and Current Water Year, Ending At Midnight March 4, 2018



Historical Average Total Reservoir Capacity 1976-1977 (Driest) 1977-1978 1982-1983 (Wettest) 2016-2017 2014-2015 Current: 2017-2018

Data Updated 03/05/2018 07:15 AM

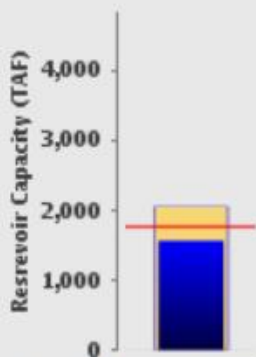


# Reservoir Conditions - San Luis Res



## San Luis Res Conditions

(as of Midnight - March 4, 2018)



Current Level: 1,560,187 AF

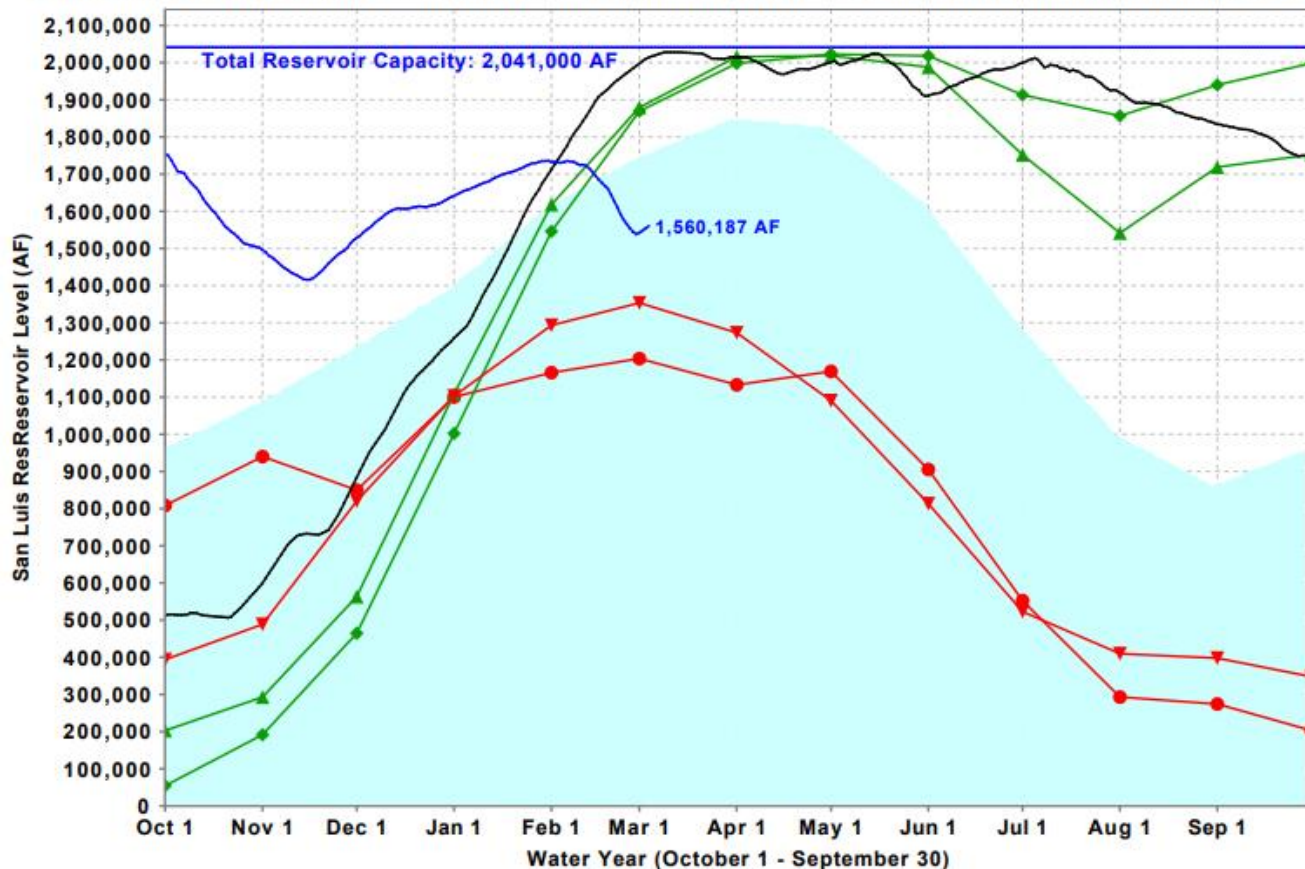
76%

(Total Capacity)

89%

(Historical Avg.)

San Luis Res Levels: Various Past Water Years and Current Water Year, Ending At Midnight March 4, 2018



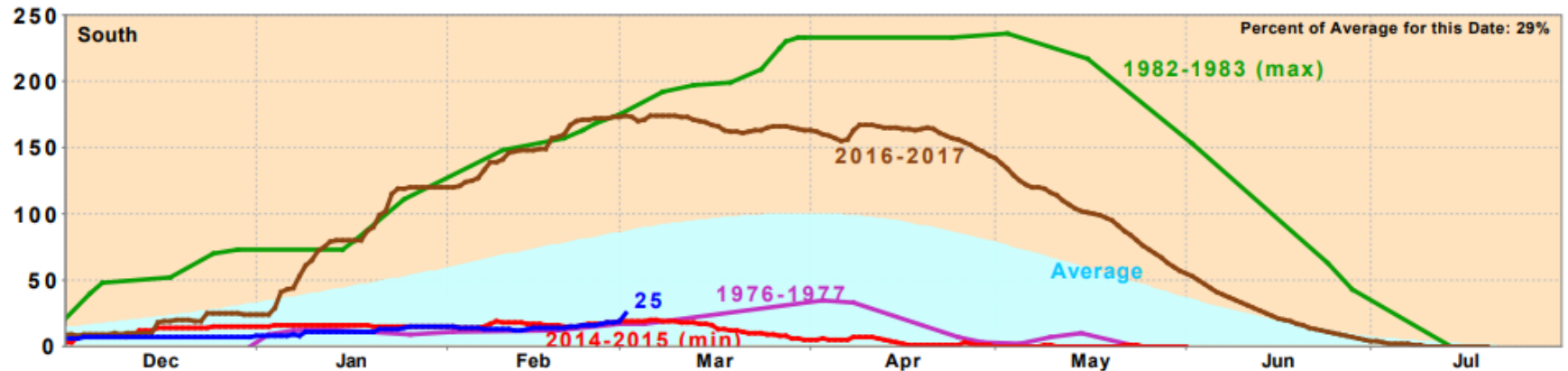
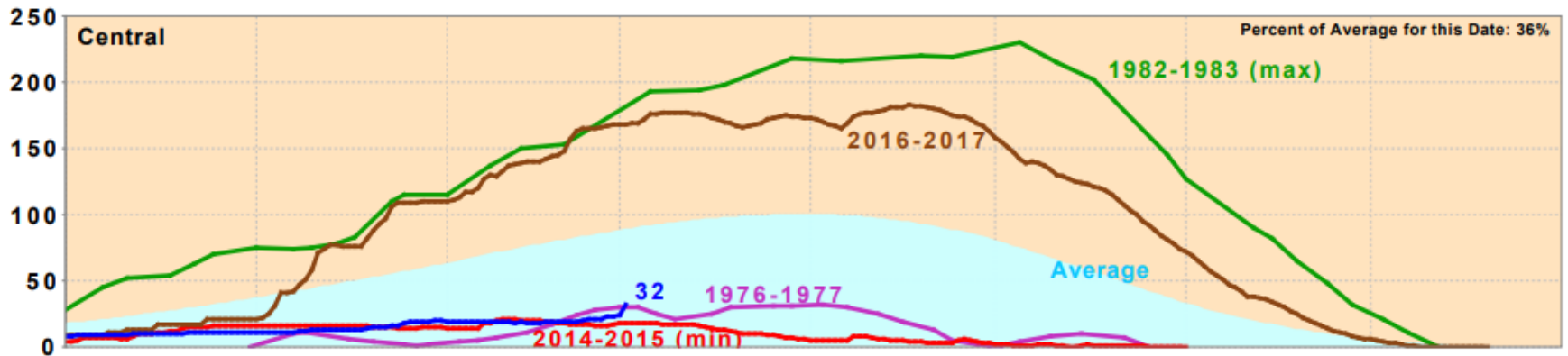
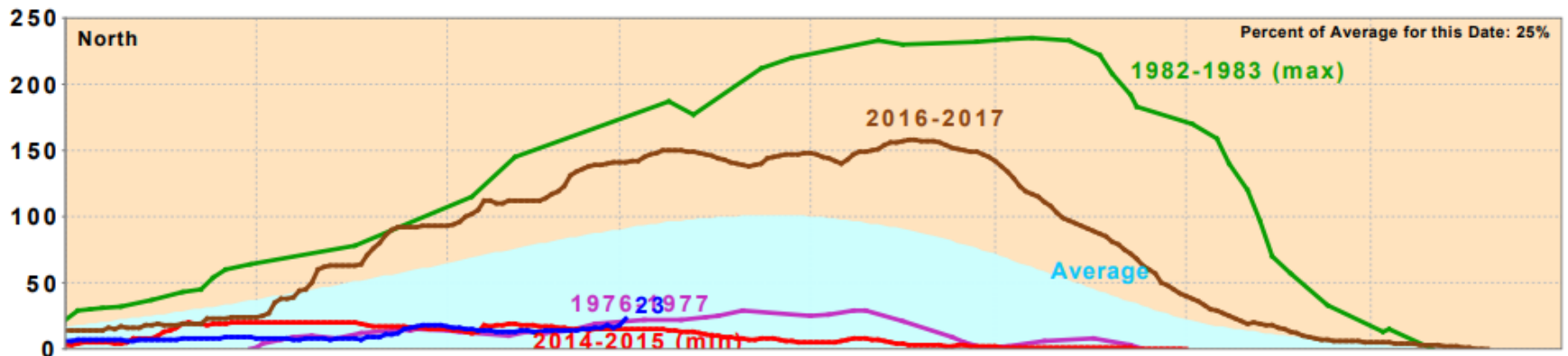
■ Historical Average 
 — Total Reservoir Capacity 
 ● 1976-1977 
 ▲ 1977-1978 
 ◆ 1982-1983 (Wettest) 
 — 2016-2017 
 ▼ 2014-2015 (Driest) 
 — Current: 2017-2018

Data Updated 03/05/2018 07:15 AM

# Other Reservoirs

- **Cachuma Reservoir:** 75,270 acre-feet full out of 205,000 acre-foot capacity (37% of capacity and 45% of average)
- **Diamond Valley Lake:** 732,749 acre-feet full out of 810,000 acre-foot capacity (90% of capacity)

# California Snow Water Content, March 2, 2018, Percent of April 1 Average



Statewide Percent of April 1: 28%

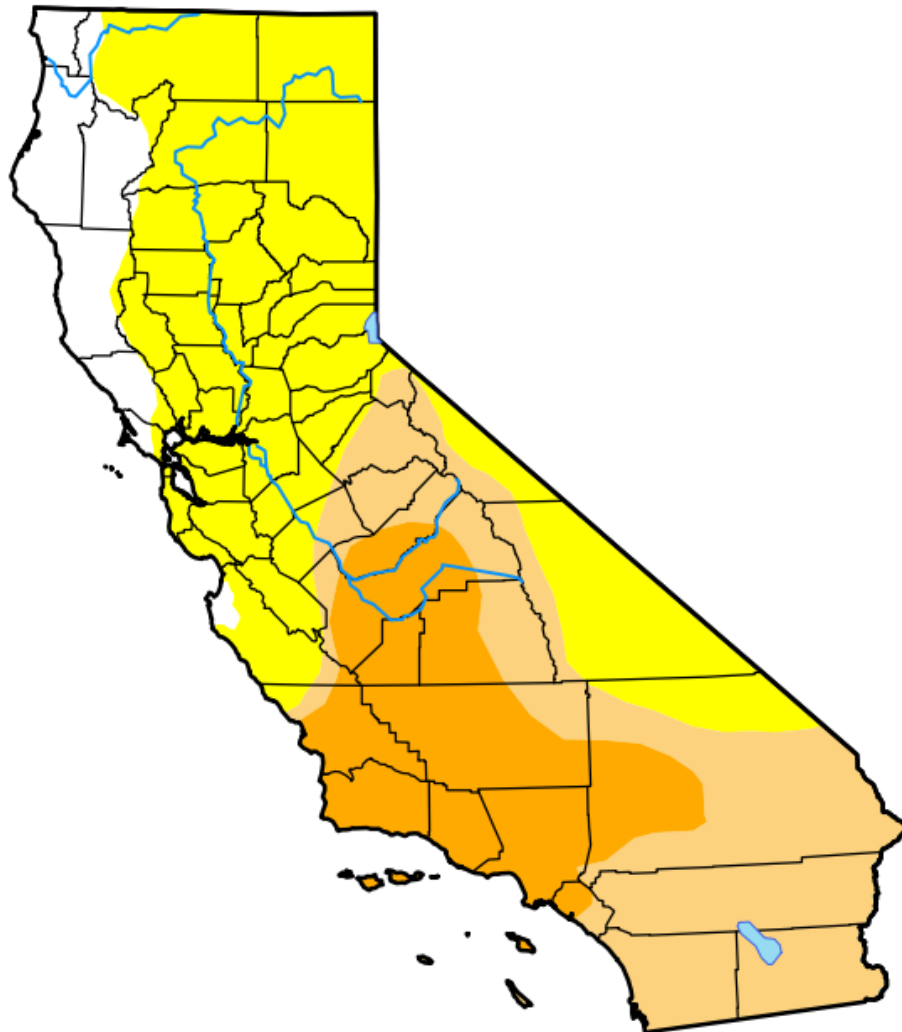
Statewide Percent of Average for Date: 32%

March 6, 2018

Slide No. 11

# U.S. Drought Monitor California

**February 27, 2018**  
(Released Thursday, Mar. 1, 2018)  
Valid 7 a.m. EST



*Drought Conditions (Percent Area)*

	None	D0-D4	D1-D4	D2-D4	D3-D4	D4
<b>Current</b>	8.48	91.52	47.87	19.98	0.00	0.00
<b>Last Week</b> <i>02-20-2018</i>	8.43	91.57	47.87	19.98	0.00	0.00
<b>3 Months Ago</b> <i>11-28-2017</i>	69.09	30.91	8.24	0.00	0.00	0.00
<b>Start of Calendar Year</b> <i>01-02-2018</i>	55.70	44.30	12.69	0.00	0.00	0.00
<b>Start of Water Year</b> <i>09-26-2017</i>	77.88	22.12	8.24	0.00	0.00	0.00
<b>One Year Ago</b> <i>02-28-2017</i>	74.49	25.51	8.73	4.08	0.00	0.00

**Intensity:**

D0 Abnormally Dry	D3 Extreme Drought
D1 Moderate Drought	D4 Exceptional Drought
D2 Severe Drought	

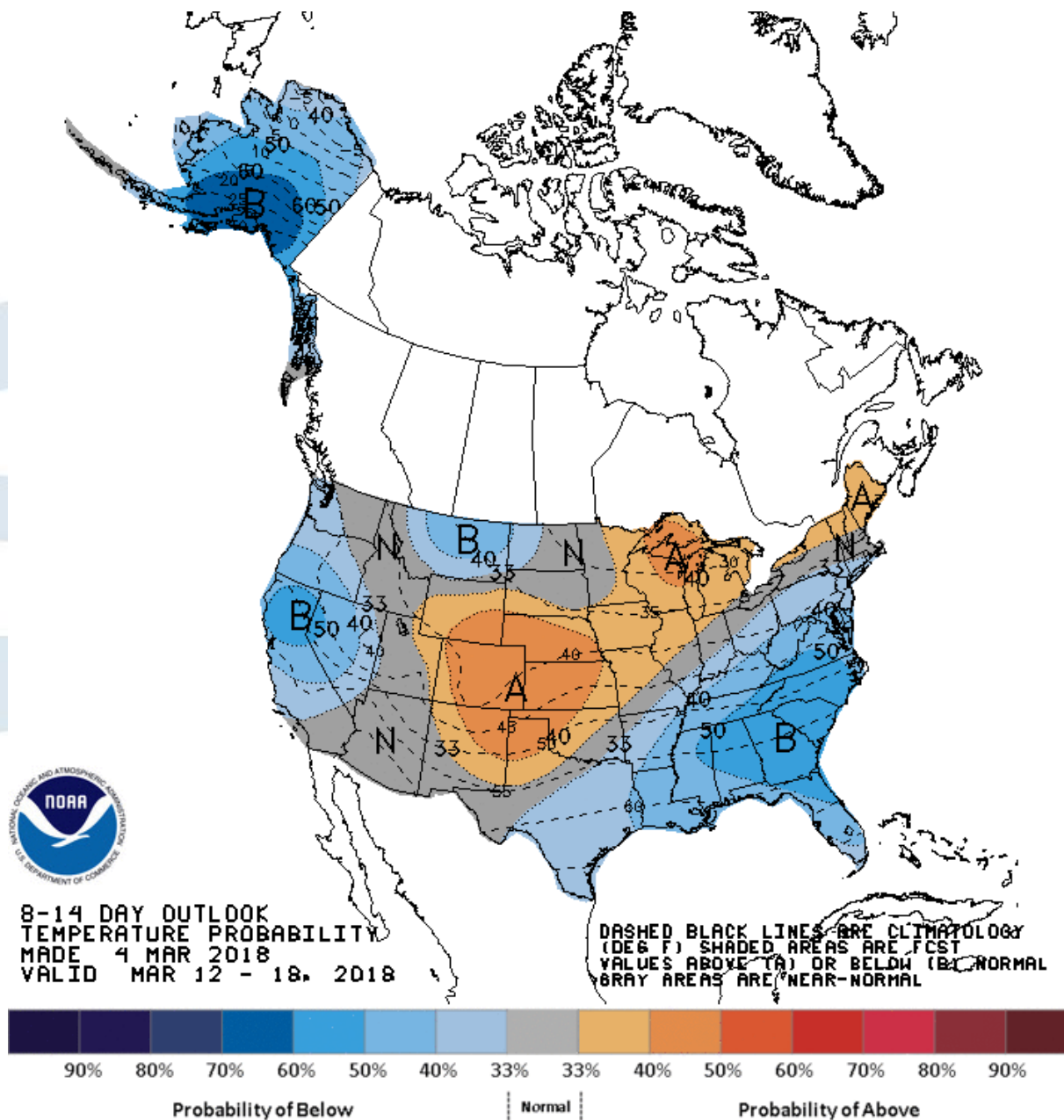
*The Drought Monitor focuses on broad-scale conditions. Local conditions may vary. See accompanying text summary for forecast statements.*

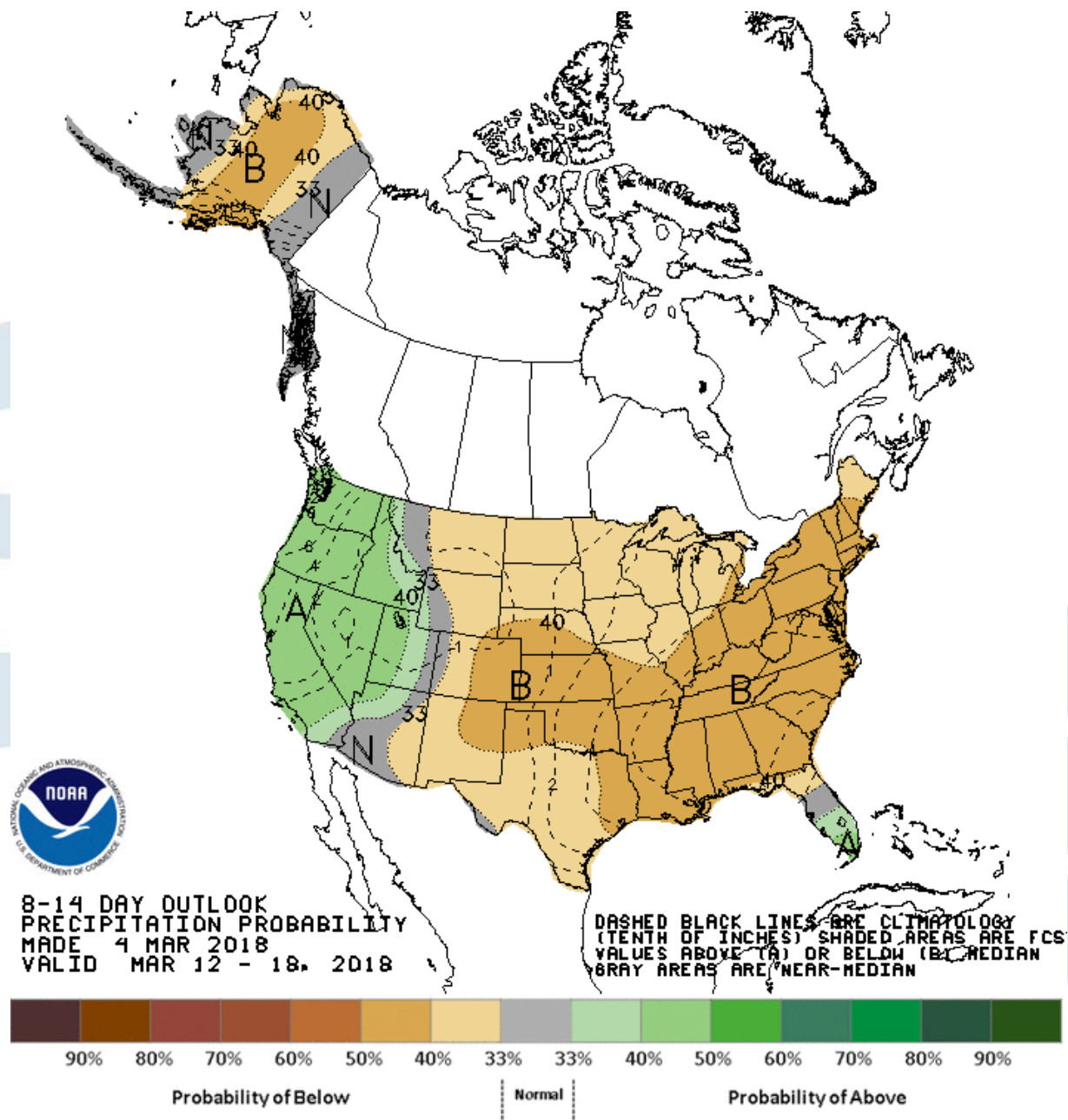
**Author:**

Deborah Bathke  
National Drought Mitigation Center

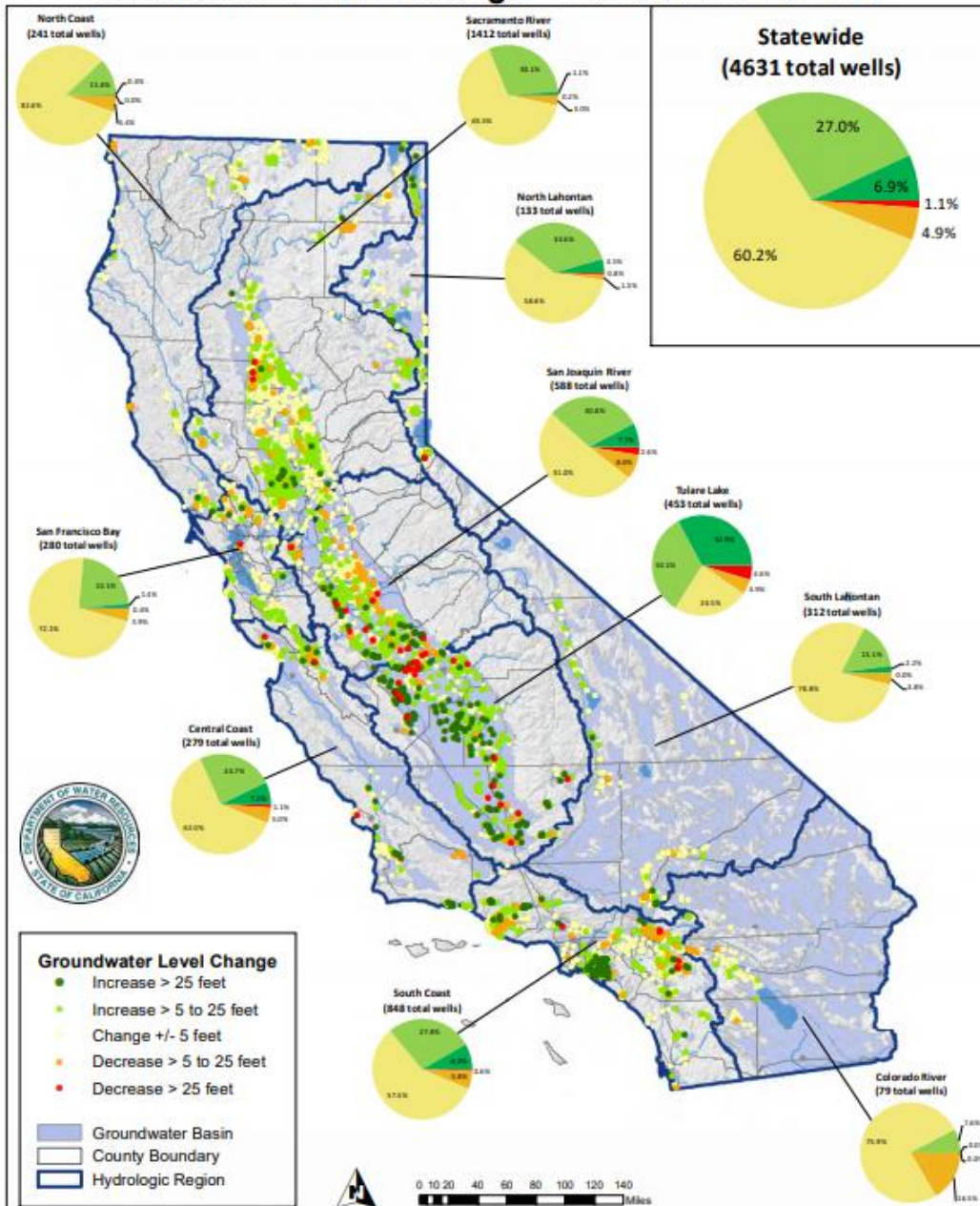


<http://droughtmonitor.unl.edu/>



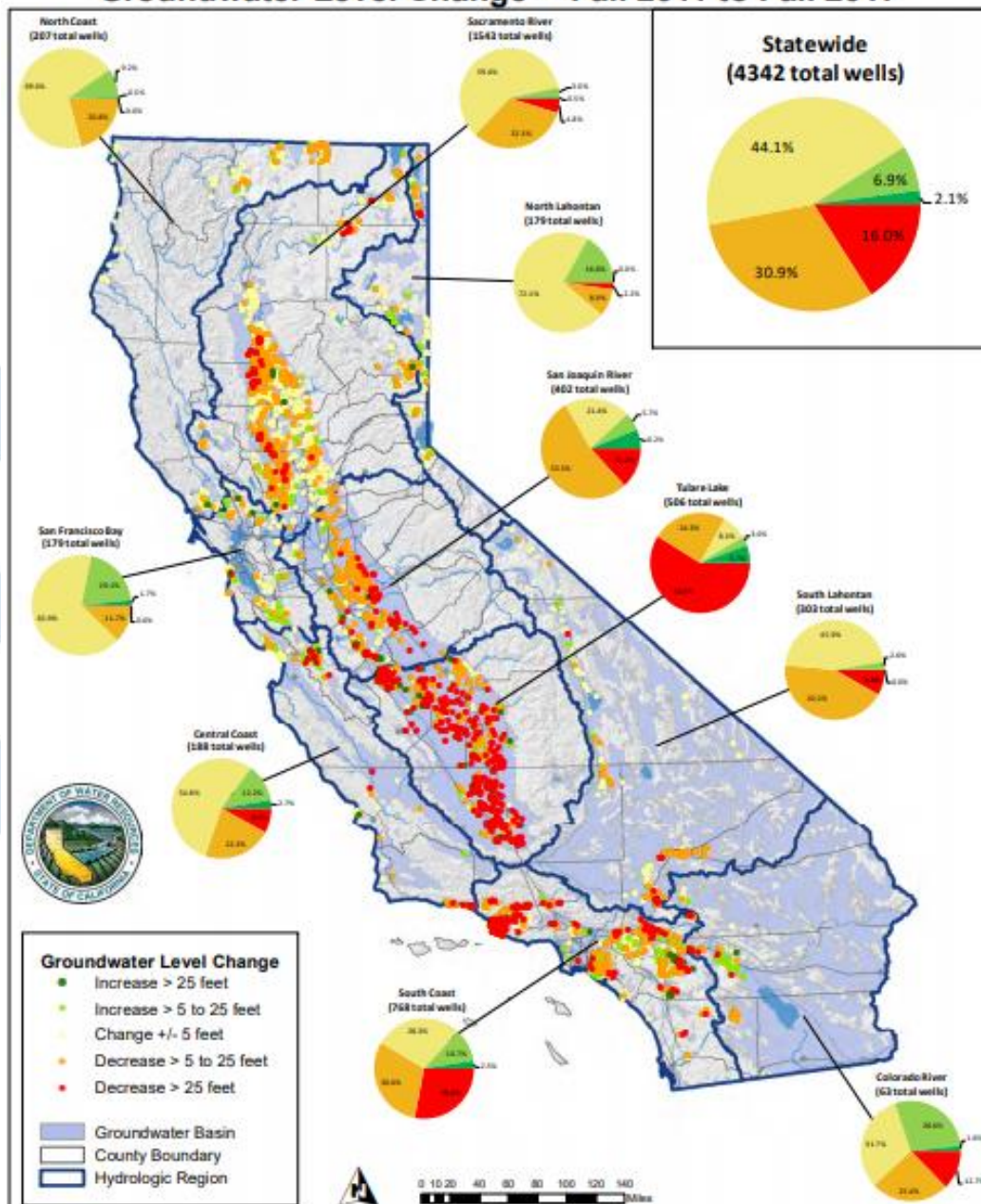


## Groundwater Level Change\* - Fall 2016 to Fall 2017



\*Groundwater level change determined from water level measurements in wells. Map and chart based on available data from the DWR Water Data Library as of 02/21/2018. Document Name: PIEMAP\_F1716\_25ft  
Updated: 2/26/2018. Data subject to change without notice.

## Groundwater Level Change\* - Fall 2011 to Fall 2017



\*Groundwater level change determined from water level measurements in wells. Map and chart based on available data from the DWR Water Data Library as of 02/21/2018. Document Name: PIEMAP\_F1711\_25ft  
Updated: 2/26/2018. Data subject to change without notice.



**Questions?**

# Extra Slides

The slide features a light blue background with three thick, wavy, light blue lines that sweep across the bottom half of the frame. The lines are smooth and fluid, creating a sense of movement. The text 'Extra Slides' is centered in the upper half of the slide, rendered in a bold, dark blue, sans-serif font.

# San Luis Reservoir

**Total:** 1,560,187 acre-feet full out of 2,041,000 acre-feet capacity (76% of capacity and 89% of average)

- **DWR:** 703,909 acre-feet full out of 1,062,180 acre-foot capacity (66% of operational capacity)
- **USBR:** 861,504 AF acre-feet full out of 965,655 acre-feet capacity (89% of operational capacity)

# El Niño/La Niña

As of February 8, 2018, the National Oceanic and Atmospheric Administration (NOAA) predicts a transition from La Niña to ENSO-neutral during the Northern Hemisphere spring (~55% chance of ENSO-neutral during the March-May season).

# Groundwater

- DWR has updated groundwater data with information from Fall 2017